

ABSTRACT

A gene encoding a protein constituting sucrose PTS
of coryneform bacterium is provided by amplifying a
5 region existing downstream from sucrase gene in
coryneform bacterium by the cassette-ligation mediated
PCR to obtain DNA encoding sucrose PTS enzyme II, which
is a protein defined in the following (A) or (B):

(A) a protein which has the amino acid sequence of
10 SEQ ID NO: 2 in Sequence Listing;

(B) a protein which has the amino acid sequence of
SEQ ID NO: 2 in Sequence Listing including substitution,
deletion, insertion, addition or inversion of one or
several amino acids, and an activity for binding to
15 sucrose.